



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H140013

**Mode:** Highway

**Status:** Submitted

### NC-24 (Corbett Ave)

**From/Cross Street:** SR 1434 (Belgrade-Swansboro Road)

**To:** Carteret County line

**Length:** 3.32

**Specific Improvement Type:** 2 - Upgrade Arterial to Freeway/Expressway

**Project Category:** Statewide Mobility

**TIP#:**

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$74,032,000

#### Description:

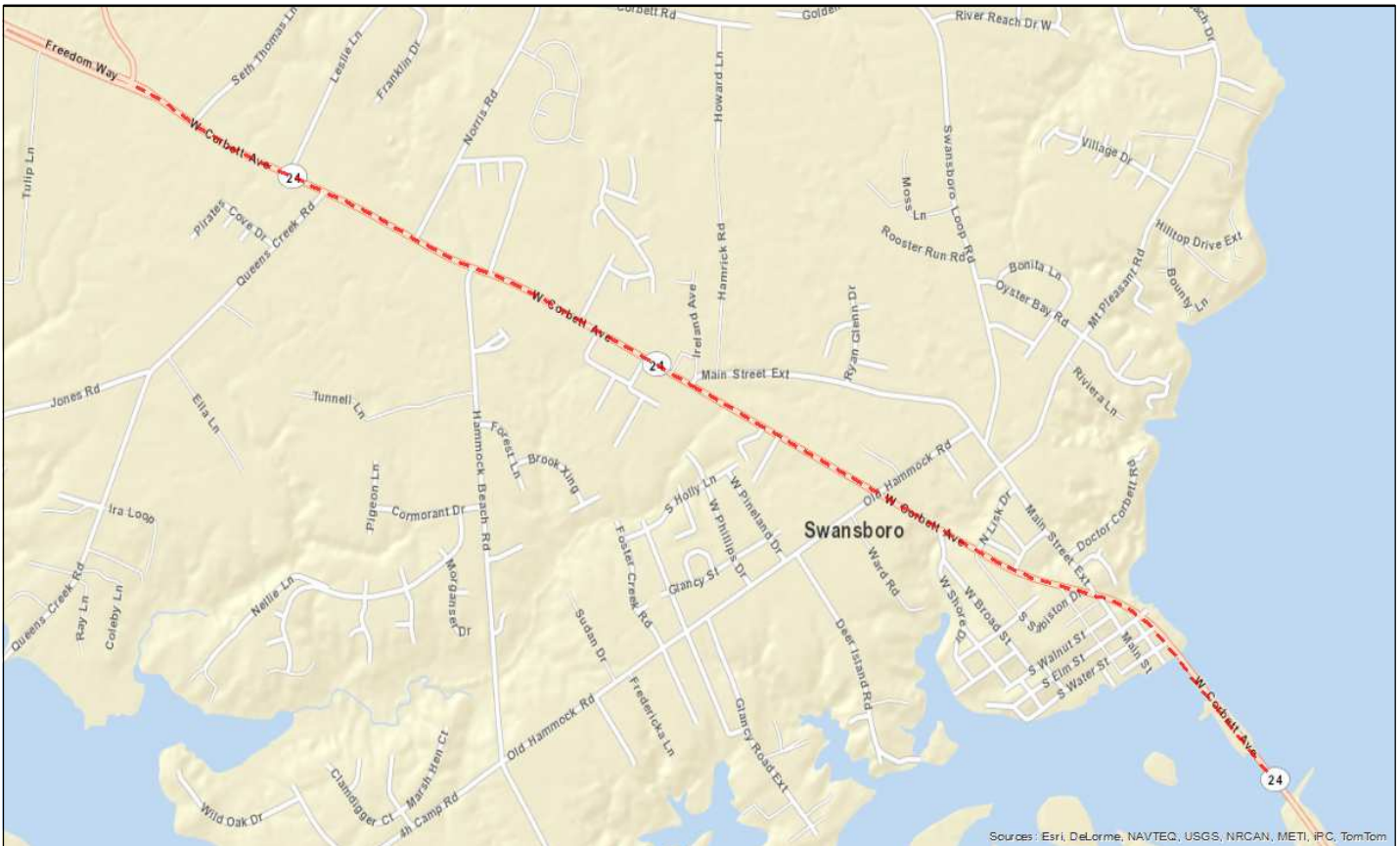
Improve to expressway standards. Convert the 5-lane facility into a 4-lane divided facility, and implement access management strategies, i.e., reduction and/or timing of traffic signals, shared driveways, access roads, etc.

**Division(s):** Division 3

**County(s):** ONSLOW

**MPOS(s)/RPO(s):** Down East RPO

### Project Location



Sources: Esri, DeLorme, NAVTEQ, USGS, NRCAN, METI, IPC, TomTom

**Statewide Mobility Total Score: 28.15**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (30%) 55.43 Safety (10%) 49.80 Economic Competitiveness (10%) 9.45 Multimodal + [Freight & Military] (20%) 25.68 [Travel Time] Benefit/Cost (30%) 1.52 <b>Totals: Weight: 100% Weighted Score: 28.15</b>	N/A	N/A

**Regional Impact Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Safety (25%) 49.80 Multimodal + [Freight & Military] (25%) 25.68 [Travel Time] Benefit/Cost (20%) 1.52 <b>Totals: Weight: 70% Weighted Score: 19.17</b>	Percent: 15% Points:	Percent: 15% Points:

**Division Needs Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 55.43 Safety (20%) 49.80 Multimodal + [Freight & Military] (10%) 25.68 <b>Totals: Weight: 50% Weighted Score: 23.61</b>	Percent: 25% Points:	Percent: 25% Points:

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	44
Length (miles):	3.32
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	24177.13
Capacity:	31700
Volume/Capacity Ratio:	0.76
% Autos:	95%
% Trucks:	5%
Truck Volume:	1322.33
Crash Density:	51.47
Crash Severity:	51.49
Critical Crash Rate:	46.45
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	28
Existing Median Type (for Cost Estimation):	TWLT
Pavement Condition Rating:	86
Actual Congested Speed:	38.97
Travel Time Index:	0.9

**Project Benefits**

Project Cross-Section:	4F - 4 Lane Divided (17'-6" Raised Median) with Curb & Gutter, Wide Outside Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	3.32
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	5045632.34
Travel Time Savings for 30 Years (Autos):	4769669.36
Travel Time Savings for 30 Years (Trucks):	275962.98
Long-Term Employment:	80.54
% Change in Economy:	0.00010845
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	Yes
CTP/LRTP Name:	Swansboro CTP
CTP/LRTP Completion Year:	2006
Submitted by:	Down East RPO

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 3	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Down East RPO	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$60,711,000	Cost Estimation Tool
Right-of-Way Cost:	\$11,894,000	Cost Estimation Tool
Utilities Cost:	\$1,427,000	Cost Estimation Tool
Total Project Cost:	\$74,032,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$74,032,000</b>	